In the Claims:

Please amend claims 13, 15, 18-19, and 24, cancel claim 20 and add new claims 28-31 as follows:

13. (currently amended): A method for encapsulating a solder joint between an integrated circuit chip and a substrate, comprising the steps of:

forming a composition that includes a photoinitiator, a dispersed filler, and a resin precursor, wherein the filler has a particle size of 31 microns or less if the filler is silica, and wherein the resin precursor consists essentially of a cyanate ester monomer, a cyanate ester prepolymer, or a mixture of the monomer and prepolymer;

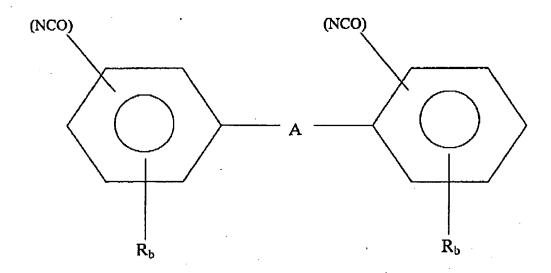
applying an amount of the composition at a thickness sufficient to cover substantially all of the solder joint; and

photocuring the composition to reinforce the solder joint, wherein photocuring the composition forms a resin in the composition from the precursor.

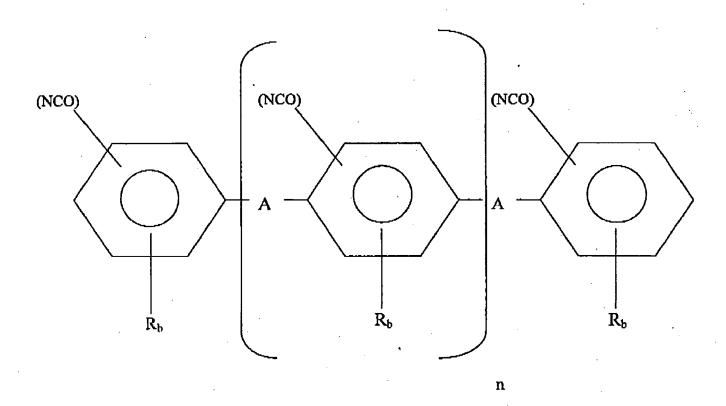
14. (original): The method of claim 13, wherein the cyanate ester includes at least two cyanate groups and is curable through cyclotrimerization.

15. (currently amended): The method of claim 13, wherein the cyanate ester is selected from the group consisting of compounds depicted by formulas 1 and 2:

(1)



(2)



wherein each a and b independently include integers from 0 to 3, and at least one a is not 0; wherein c includes integers from 0 to 1; wherein n includes integers from 0 to 8; wherein each each R is independently selected from the group consisting of non-interfering alkyl, aryl, alkaryl, heteroatomic, heterocyclic, carbonyloxy, carboxy, hydrogen, $C_{1.6}$ alkyl, $C_{1.6}$ alkoxy, halogen, maleimide, propargyl ether, glycidyl ether and combinations thereof; A is selected from the group consisting of $C_{1.12}$ polymethylene, CH_2 , dicyclopentadicnyl, aralkyl, aryl,

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cycloaliphatic, CH(CH₃), SO₂, O, C(CF₁)₂, CII₂OCH₂, CH₂SCH₂, CH₂NHCII₂, S, C(=O), OC(=O), OCOO, S(=O), OP(=O), OP(=O)(=O)O, alkylene radicals, C(CH₃)₂, and combinations thereof.

16. (previously amended): The method of claim 13, wherein the cyanate ester is selected from the group consisting of cyanatobenzene 1,3-and 1,4-dicyanatobenzene,

2-tert-butyl-1,4-dicyanatobenzene, 2,4-dimethyl-1,3-dicyanatobenzene, 2,5-ditert-butyl-1,4-dicyanatobenzene, tetramethyl-1,4-dicyanatobenzene,

4-chloro-1,3-dicyanatobenzene, 1,3,5-tricyanatobenzene,

2,2' 4,4'-dicyanatobiphenyl, 3,3',5,5'-tetramethyl-4,4'dicyanatobiphenyl,

1,3-dicyanatonaphthalene, 1,4-dicyanatonaphthalene, 1,5-dicyanatonaphthalene,

1,6-dicyanatonaphthalene, 1,8-dicyanatonaphthalene, 2,6-dicyanatonaphthalene,

2.7-dicyanatonaphthalene, 1,3,6-tricyanatonaphthalene, bis(4- cyanatophenyl)methane,

bis(3-chloro-4-cyanatophenyl)methane, 2,2-bis(4-cyanatophenyl)propane,

2,2-bis(3,5-dichloro-4-cyanatophenyl)propane, 2,2-bis(3,5-dibromo-4- cyanatophenyl)propane, bis (4-cyanatophenyl)ether, bis (p-cyanophenoxyphenoxy)-benzene, di(4-cyanatophenyl)ketone, bis(4-cyanatophenyl)thioether, bis(4-cyanatophenyl)sulfone, tris (4-cyanatophenyl)phosphite,

tris(4-cyanatophenyl)phosphate and combinations thereof.

17. The method of claim 13, wherein the photoinitiator is selected from the group consisting of aryldiazonium, triphenylsulfonium, diphenyliodonium, diaryliodosyl and triarylsulfoxonium salts.

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- 18. (currently amended): The method of claim 13, wherein the filler comprises from composition contains about 40% to about 75% by weight of the composition dispersed silica
- 19. (currently amended): The method of claim 13 18, wherein the dispersed filler includes fused silica and amorphous silica.
- 20. (canceled)
- 21. (previously amended): The method of claim 13, wherein a coefficient of linear thermal expansion of the cured composition is from about 26 to about 39 ppm/degree C.
- 22. (previously amended): The method of claim 13, wherein a glass transition temperature of the cured composition is from about 100 to about 160 degrees C.
- 23. (previously amended): The method of claim 13, wherein the composition includes from 1 to 20 parts of surface treating agents selected from the group consisting of vinyltrimethoxysilane, vinyltricthoxysilane, N(2-aminocthyl)3-aminopropylmethyldimethoxysilane, 3-aminopropylethoxysilane, 3-glycidoxypropyltrimethoxysilane, 3-glycidoxypropylmethyl dimethoxysilane and combinations thereof, based on 100 parts of the resin.
- 24. (currently amended): The method of claim 13, wherein the composition further comprises a filler selected from the group consisting of Sailica, Aluminum Oxide, 92% Alumina, 96%

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Alumina, Aluminum Nitride, Silicon Nitride, Silicon Carbide, Beryllium Oxide, Boron Nitride and Diamond powder.

- 27. (previously added): The method of claim 1, wherein the cured composition exhibits a coefficient of linear thermal expansion of about 26 ppm/°C to less than about 39 ppm/°C and a glass transition temperature between 100 °C and 160 °C.
- 28. (new): The method of claim 13, wherein the resin precursor is a mixture of polyfunctional cyanate esters with at least one cyanate ester having hydroxy groups and radical-polymerizable unsaturated double bonds.
- 29. (new): The method of claim 28, wherein a ratio of cyanato groups to hydroxy groups in the cyanate ester is in the range from 1:0.1 to about 1:2.
- 30. (new): The method of claim 13, wherein the photoinitiator is in the range of from about 0.01 to about 20 weight percent of the composition.
- 31. (new): The method of claim 13, wherein the photoinitiator is selected from the group consisting of metal carbonyl complexes and ionic salts of organometallic complex cations.